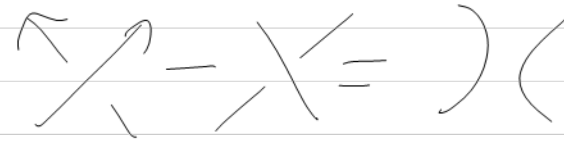
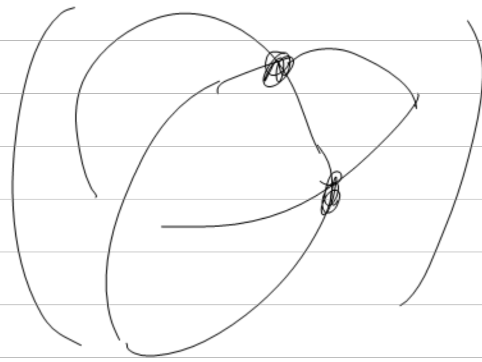
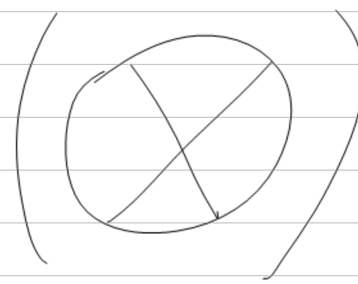
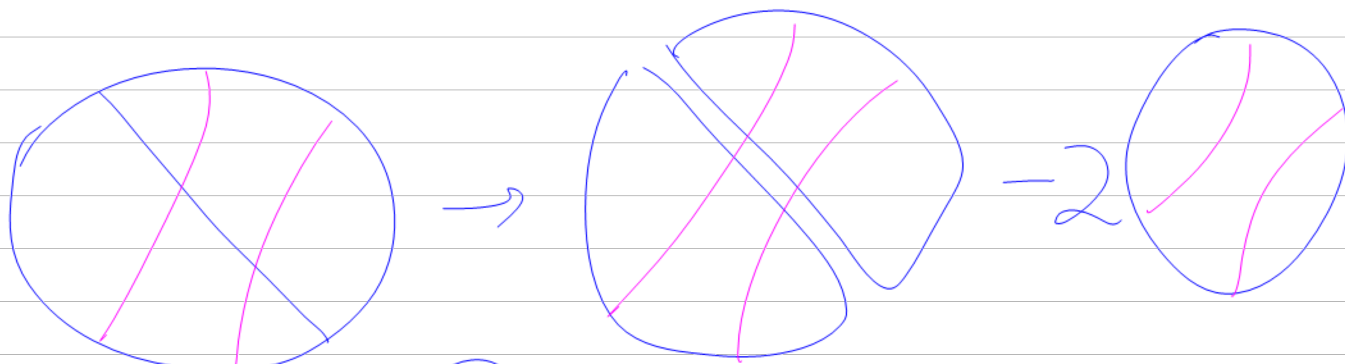
$K$ $n$ crossings $\quad J(K) = \sum v_j x^j$

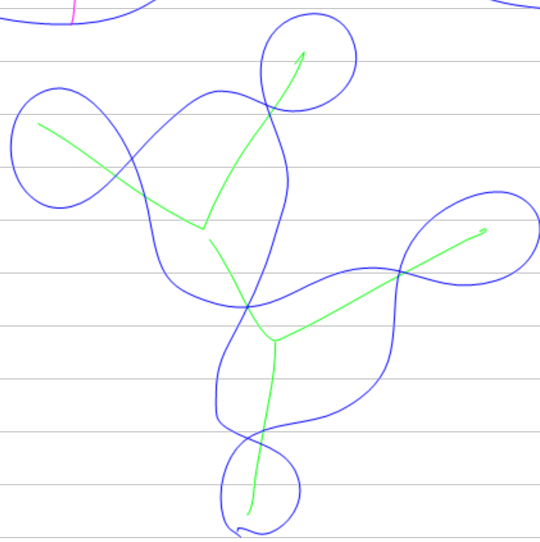
$v_j(K) = 0 \quad \forall j \leq n$

$\Rightarrow K = O$



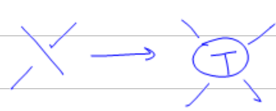
$v_2$  $\sim v_2$ 





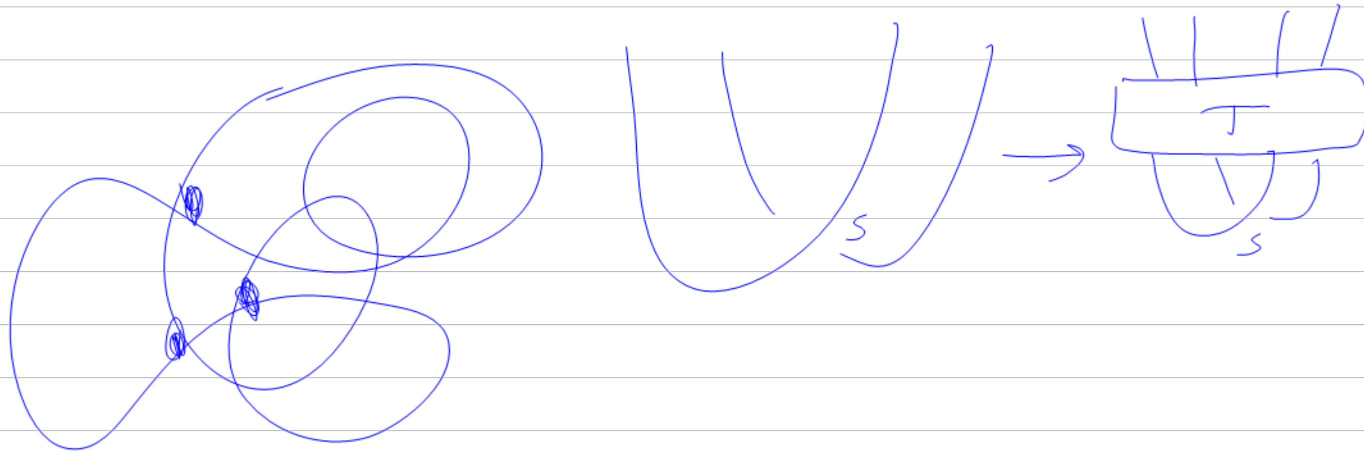
$J(K) = 0 \rightsquigarrow J(K_5) = \sum_{k \geq n} v_k x^k$

$n$ xings



$5n^2$ xings

5 c{xings of K}


Given a knot $K$ with $J(K)=0$ we construct a knot $K'$ (a family $K_s$) by applying the transform...

The family $K_s$ has the properties

1. $J(K_s)=J(K)$
2. $K_s$ is $n$-trivial

⋮

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